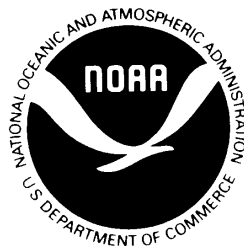


NOAA's Resource Guide

for Teachers of Marine Science



NATIONAL OCEANIC
AND ATMOSPHERIC
ADMINISTRATION

U. S. Dept. of Commerce
Office of Ocean and Coastal Resources Management

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Middle School Level Books

Amazing Animals of the Sea

Rinard, Judy, National Geographic, 1981. 104p. ill.
Books for World Explorers Series 3; No. 1. Gr 3-8.

Animals That Live in the Sea

Straker, Joan A., National Geographic, 1978.

Aquatic Animals in the Wild and in Captivity

Curtis, Patricia, Lodestar Bks, 1992. 64p. ill.
Introduces six aquatic habitats and the animals that live in them. Gr 5-7.

Art & Industry of Sandcastles

Adkins, Jan, Walker & Co., 1982. 64p. ill.
This unique book cleverly combines the popular seaside occupation of sand castle building with the lives and times of ancient castle dwellers. The handsome monochrome illustrations show the sand castle builder and the how and why of castle construction; they help develop a vocabulary and a historical perspective in the process. Gr K-up.

The Atlas of Shipwrecks & Treasure: the History, Location, and Treasures of Ships Lost at Sea.

Pickford, Nigel, Dorling Kindersley, 1994. 200p. ill.
Chronicles the history of treasure-bearing shipwrecks from ancient to modern times. Includes colorful maps of historic trade routes. Gr 9-12.

Beachcomber's Botany

Perry, Loren C., Chatham Press, 1975. 160p. ill.
A detailed account of flora and fauna of the New England Coast. Exquisite pencil drawings of plants and marine algae, with a descriptive account of each, make this a high-interest book. Gr 7-8.

Beachcomber's Handbook of Seafood Cookery

Zachary, Hugh, Blair, 1981. 208p. ill.
More than a cookbook. This is a sincere commentary on seaside conservation. There's a recipe for just about any common marine animal including octopus. With a serviceable index. Gr 3-up.

The Beaches Are Moving: The Drowning of America's Shoreline

Kaufman, Wallace and Orrin Pilkey, Jr., Duke University Press, 1983. 326p.

Beachmaster: A Story of Daniel au Fond

Shachtman, Tom, Holt, 1988. 166p. ill.
An account of the adventures of a sea lion, including his experiences with man in a sea laboratory and his assumption of the role of beachmaster or head of the tribe. (OP) Gr 6-up.

Beneath the Waves: Exploring the Hidden World of the Kelp Forest

Wu, Norbert, Chronicle Bks., 1992. ill.
A day in the kelp forest introduces a variety of marine life with excellent photographs by the author. Includes reproductive and defense strategies, and ecological concerns. Glossary. Gr 3-7.

Blue Whale

National Geographic Staff, Random House, 1995.

Boat

Kentley, Eric, Knopf, 1992. 64p. ill.
Eyewitness books series. Gr 5-up.

Boats, Ships, Submarines, and Other Floating Machines

Graham, Ian, Kingfisher, 1993. ill.

Introductory material on the workings of marine craft with simple projects for testing some of the scientific principles presented. Gr 3-8.

Can the Whales Be Saved?: Questions About the Natural World and the Threats to its Survival Answered by the Natural History Museum

Whitfield, Philip, Viking Kestrel, 1989. 96p. ill.

Questions and answers present information about the balance of nature, and the ways that human behavior affects this delicate system.

Cannery Row

Steinbeck, John, Viking Penguin, 1994. 224p.

Gr 7-up.

Charles Darwin: Revolutionary Biologist

Evans, J. Edward, Lerner, 1993. 112p.

A good biography about the author of *Origin of the Species*. Gr 5-up.

Circles in the Sand

Macht, Philip, Maxrom, 1985. 64p. ill.

Gr 7-up.

A Citizen's Guide to Plastics in the Ocean: More Than a Litter Problem

O'Hara, Kathryn, Suzanne Iudicello, & Jil Zilligen, Center for Marine Conservation, 1994. ill.

A handbook for teachers and students which discusses the problems caused by plastics in the marine environment and suggests activities to address these problems. Gr 5-8.

Coastal Rescue: Preserving Our Seashores

Miller, Christina G. and Louise A. Berry, Atheneum, 1989. 128p. ill.

Examines different types of coasts, how they are shaped by nature, how the development of coasts has destroyed plant and animal life, beaches, and marshes, and ways to use the coast's valuable resources and still preserve them. Gr 5-9.

Coasts

Lye, Keith, Silver Burdett, 1989. 48p. ill.

Gr 5-8.

Come Back, Salmon: How a Group of Dedicated Kids Adopted Pigeon Creek and Brought It Back to Life

Cone, Molly, Silver Burdett, 1996. 48p. ill.

Describes the efforts of students at Jackson Elementary School in Everett, WA who cleaned up a nearby stream, stocked it with salmon, and renewed it as place for salmon to spawn. Gr 2-6.

Coral Reef

George, Michael, Creative Education, 1992. 40p. ill.

Examines the formation of coral reefs and the kinds of animals that live there. Gr 4-7.

Coral Reef

Taylor, Barbara, Dorling Kindersley, 1992. 29p. ill.

Examines the variety of life found on coral reefs, including the seahorse, hermit crab, and sea slug and presents important concepts in biology. Gr K-12.

Coral Reefs

Holing, Dwight, et. al., Silver Burdett, 1995. 39p. ill.

Describes types of reefs and the variety of species found in reef habitats. Beautiful photos. Includes bibliographical references. Gr 5-up.

Coral Reefs

Johnson, Sylvia A., Lerner, 1984. 48p. ill.

A detailed introduction to the various kinds of coral reefs, their composition, and the marine life they support. Gr 3-9.

A Day in the Life of a Commercial Fisherman

Klein, John F. & Carol Gaskin, Troll Assocs, 1988. 32p. ill.
Gr 4-8.

A Day In the Life of a Marine Biologist

Jaspersohn, William, Little, 1982. 96p. ill.
Gr 5-up.

A Day in the Life of a Marine Biologist

Paige, David, Troll Assocs, 1981. 32p. ill.
Cassette available. Gr 4-8.

Deep Sea Explorer: The Story of Robert Ballard, Discoverer of the Titanic

Archbold, Rick, Scholastic Bks, 1994. 144p. ill.
Gr 3-7.

Deep-sea Vents: Living Worlds Without Sun

Waters, John Frederick, Dutton, 1994. 48p. ill.
Describes the discovery of deep-sea vents and the lifeforms associated with these areas. Gr 6-12.

Diving Into Oceans

National Wildlife Federation Staff, National Wildlife Federation, 1992. 68p. ill.
Part of Ranger Rick's Naturescope series, includes Ocean index to issues of Ranger Rick and bibliographical references.
Includes activities and crafts to aid the study of oceanography. Gr K-8.

Dolphins and Porpoises

Hatherly, Janelle and Delia Nicholls, Golden Press, 1990. 68p. ill.

Dolphins and Porpoises: A Worldwide Guide

Sylvestre, Jean-Pierre, Sterling, 1993. 160p.
Provides detailed descriptions of 43 species with photographs and distribution maps. French language edition available.

The Dying Sea

Bright, Michael, Franklin Watts, 1992. 32p. ill.
Gr 4-9.

The Edge of the Sea

Carson, Rachel L., Houghton Mifflin, 1983. 276p. ill.
The plant and animal life environments of the coral reef, sandy beach, and rocky coast are explored in this book.
Appreciation of the sea and sealife shines through this book along with scientific insights. Excellent illustrations make this a reference and guidebook. Gr 8-12.

Elkhorn Slough

Silberstein, Mark and Eileen Campbell, Monterey Bay Aquarium, 1989. 64p. ill.
Focuses on the national estuarine sanctuary in Monterey and its abundance of bird and marine life. Part of the Monterey Bay Aquarium Natural History Series. Gr 5-12.

The Encyclopedia of Shells

Wye, Kenneth R., 1992. 288p. ill.
Comprehensive identification guide with pictures of over 1,000 shells arranged by habitat. Attractive and easy to use. Gr 5-12.

Endangered Ocean Animals

Taylor, J. David, Crabtree, 1993. 32p. ill.
Gr 3-6.

Exploiting the Sea

Penny, Malcolm, Franklin Watts, 1991. 32p. ill.
(OP) Gr 4-7.

Exploring the Oceans

Schoolhouse Press, 1989.

Describes the exploration of the oceans, above and below the surface, from the earliest navigators to the present day. Pathfinders in Exploration series. Includes index. (OP)

Exploring the Titanic

Ballard, Robert D., Scholastic Bks, 1991. ill.

Describes the sinking of the Titanic and Ballard's quest for its recovery. Gr 4-7.

Fearsome Fish

Parker, Steve, Raintree Steck-Vaughn, 1993. ill.

A look at the more unusual and scary marine animals. Glossary included. Gr 2-up.

Fish

Parker, Steve, Random Bks Young Readers, 1990. 64p. ill.

Eyewitness books series. French language edition available. Gr 5-up.

Fish and the Sea

Noel, Spike, Dufour, 1972. 64p. ill.

(OP) Gr 7-up.

Fish Calendar

Schmitz, Siegfried, Silver Burdett, 1986. ill.

(OP) Gr 3-6.

The Fish: The Story of the Stickleback

Lane, Margaret, Dial, 1981. ill.

Introduces the unusual mating behavior of the stickleback fish. (OP) Gr 3-9.

Fishes

Zim, Herbert S. & Hurst H. Shoemaker, Western Publishing Co., 1987. 160p. ill.

For the identification of the common fresh and salt water fishes of North America. Species are identified by color pictures. Common and scientific names are given. Useful guide for beginners. Gr 5-8.

Fishes of the Great Lakes Region

Hubbs, Carl L. & Karl F. Lagler, University of Michigan, 1964. ill.

Gr 9-up.

Food From the Sea

Rogers, Daniel, Franklin Watts, 1991. 32p. ill.

(OP) Gr 5-8.

Freshwater Fury Yarns and Reminiscences of the Greatest Storm in Inland Navigation

Barcus, Frank, Wayne State University Press, 1986. 182p.

Gr 7-12.

Global Marine Biological Diversity: A Strategy for Building Conservation into Decision Making

Norse, Elliott A., Editor, Island Press, 1993. 350p. ill.

Global Marine Environment : Does The Water Planet Have a Future?

Prager, Herman, University Press of America, 1993.

Gray Whales

Gordon, David George and Alan Baldrige, Monterey Bay Aquarium, 1991. 64p. ill.

A thorough introduction to the Gray Whale. Part of the Monterey Bay Aquarium Natural History Series. Gr 5-12.

The Great Book of the Sea

Guerrini, Francesco, Running Press, 1993. ill.

A comprehensive guide to sea life and environments including geographic distribution. Full index, well illustrated. Gr 6-12.

Hands-on Marine Biology Activities

Kramer, Nikki, Alpha, 1991. 320p. ill.
Lab manual available. Gr 7-10.

How to be an Ocean Scientist in Your Own Home

Simon, Seymour, HarperCollins Children's Bks, 1988. 144p. ill.
A collection of experiments designed to enhance knowledge of the oceans and marine life. Gr 5-9.

Illustrated World Oceans

Simon & Schuster, 1991. ill.

The Illustrated World of Oceans

Wells, Susan, Simon & Schuster Children's, 1993. 64p. ill.
An atlas of the earth's oceans with illustrations and information about their history, inhabitants, exploration, and uses.
Includes index. Gr 3-7.

The Intertidal Wilderness

Wertheim, Anne, Sierra, 1985. 160p. ill.
Presents the diversity of life in the intertidal areas. (OP) Gr 6-12.

Introduction to the Biology of Marine Life, 6th Edition

Sumich, James L., W.C. Brown, 1995. 465p. ill.
Instructor's manual and test item file available. Also, 50 transparencies and slides. Lab & field investigations in Marine Biology and TestPak 3.0 classroom management software. Gr 7-12.

It's Easy to Say Crepidula! A Phonetic Guide to Pronunciation of the Scientific Names of Sea Shells

Cate, Jean M., Pretty Penny, 1989. 158p. ill.
Gr 5-7.

Janice VanCleave's Oceans for Every Kid: Easy Activities that Make Learning Science Fun

VanCleave, Janice, Wiley, 1996. 245p. ill.
Activities provide information on techniques and technologies of oceanography, the topology of the ocean floor, movement of the sea, properties of sea water, and life in the sea. Gr 5-10.

Journey Under the Sea

Montgomery, Raymond A., Grey Castle, 1987. 117p. ill.
Gr 3-7.

Kelp Forests

Connor, Judith and Charles Baxter, Monterey Bay Aquarium, 1989. 64p. ill.
Introduces the communities found in a Monterey Bay kelp forest and provides a comprehensive look at this incredible rich habitat, home to hundreds of species of plant and animal life. Part of the Monterey Bay Aquarium Natural History Series. Gr 6-12.

Life in the Oceans

Baker, Lucy, Scholastic Bks, 1993. ill.
Also available in Spanish. Gr 5-8.

Life in the Oceans

Wu, Norbert, Little, Brown, 1991. ill.
Explores the vast variety of ocean life through Wu's excellent photography and provides a great deal of useful information. (OP) Gr 3-up.

Life in the Sea

Coldrey, Jennifer, Franklin Watts, 1991. 32p. ill.
Gr 4-7.

The Living Ocean, Understanding and Protecting Marine Biodiversity

Thorne-Miller, Boyce and John G. Catena, Island Press, 1991. ill.

Man-Of-War at Sea

Shale, David &. Jennifer Coldrey, Gareth Stevens, 1987. 32p. ill.
Gr 4-6.

Mariculture: Farming the Fruits of the Sea

Koch, Frances King, Franklin Watts, 1992. 56p. ill.
Presents the development of mariculture, current sea harvesting methods and crops and discusses its potential future. Gr 5-8.

Marine Biology

Conway, Lorraine, Good Apple, 1982. 64p. ill.
Gr 5-up.

Marine Biology: With Lots of Adventures, Projects, and Ideas for Exploring the World of Oceans, Shores and Coastal Waters

Dorris, Ellen, Thames and Hudson, 1994. 64p. ill.
Examines marine organisms and offers a number of projects and ideas for exploring the marine environments. Produced in association with the Children's School of Science, Woods Hole, MA. Gr 5-8.

Marine Geology: Undersea Landforms & Life Forms

Erickson, Jon, Facts on File, 1996. 208p. ill.

Marine Invertebrates and Plants of the Living Reef

Colin, Patrick L., TFH Publications, 1988. 512p. ill.
Gr 7-up.

Meet the Great Ones: An Introduction to Whales and Other Cetaceans

Barstow, Robbins, Cetacean Society, 1987. 46p. ill.
Also available in Spanish. Gr 7-12.

Mysterious Sea

Lane, Ferdinand, Ayer, 1947.

Night of Ghosts and Hermits: Nocturnal Life on the Seashore

Stolz, Mary, Harcourt Brace, 1985. 48p. ill.
Describes the life of nocturnal sea creatures. Gr 3-9.

The Ocean: Consider the Connections

Maraniss, Linda &. Rose Bierce, Editors, Center for Environmental Education, 1985. 104p. ill.
Gr 2-6.

Ocean Facts

Gibbs, B, EDC Usborne, 1991. 48p. ill.
Gr 3-7.

Ocean Planet: Writings and Images of the Sea

Benchley, Peter, edited by Judith Gradwohl, H.N. Abrams, Inc., 1995. 192p. ill.
Produced in association with the Smithsonian Institution's travelling exhibition, Ocean Planet, this covers a wide range of material concerning the oceans and marine resources conservation.

Ocean: The Living World

Greenaway, Theresa, Christiane Gunzi and Barbara Taylor, Dorling Kindersley, 1994. 80p. ill.
Gr 1-7.

Oceanography

BSA, 1983. 72p.
Gr 6-12.

Oceanography

Bramwell, Martyn, Franklin Watts, 1990. 48p. ill. (OP) Gr 7-9.

Oceanography

Conway, Lorraine, Good Apple, 1982. 64p. ill.
Gr 5-up.

Oceans

Simon, Seymour, Morrow Jr Bks, 1990. 30p. ill.

An overview of the nature of waves, tides and their effects on the land; ocean currents and their influence of the ocean on weather patterns. Spectacular photographs supplement the text. Gr 3-9.

The Oceans Atlas

Ganeri, Anita, Dorling Kindersley, 1995. 63p. ill.

Provides insight into the major features of the world's oceans, ocean exploration, marine life, and physical features. Information regarding pollution and threats to the ocean is very current. Gr 2-6.

Oceans of the World: Our Essential Resource

Polking, Kirk, Putnam, 1983. 136p. ill.
(OP) Gr 6-9.

Off-shore Oil Rig Workers

Stewart, Gail, Macmillan Child Grp, 1988. 48p. ill.
Gr 5-6.

Oil Spills

Anderson, Madelyn Klein, Franklin Watts, 1990. 63p. ill.

Describes the problem of oil spills, their effect on the environment, and what must be done to clean up after them. Gr 5-8.

One Good Tern Deserves Another

Kimmel, Eric A., Holiday House, 1994. 188p. ill.

After the death of his stepfather, fourteen-year-old P.B. Floyd moves with his mother from Oklahoma to the Oregon coast, where he makes friends with a beautiful young birdwatcher, gets a job at a marine aquarium, and adjusts to the possibility of a new stepfather. Gr 5-9.

Our Endangered Planet: Ground Water

Hoff, Mary K. and Mary M. Rodgers, Lerner, 1991. 64p. ill.
The importance of groundwater is explained. Gr 3-9.

Our Endangered Planet: Oceans

Hoff, Mary K. and Mary M. Rodgers, Lerner, 1991. 72p. ill.
Describes the threats posed by our use of the world's oceans. Gr 4-6.

Our Endangered Planet: Rivers and Lakes

Hoff, Mary K. and Mary M. Rodgers, Lerner, 1991.
The hazards posed by pollution of the world's water systems are discussed and ideas for restoration are offered. Gr 3-9.

Our Oceans: Experiments and Activities in Marine Science

Fleisher, Paul, Millbrook Press, 1995. 80p. ill.
Gr 4-6.

Pearson: A Harbor Seal Pup

Meyers, Susan, Dutton, 1981. 64p. ill.
A true story of the rescue, treatment and release of a seal pup. (OP) Gr 3-9.

A Pod of Gray Whales: An Affectionate Portrait

Gohier, Francois, Silver Burdett, 1994. 39p. ill.
Describes the life of the California Gray Whale. Gr 6-9.

Powerful Waves

Souza, Dorothy M., Carolrhoda Bks., 1992. ill.
Focuses on the power of tsunamis (tidal waves). Gr 4-8.

A Raft of Sea Otters: An Affectionate Portrait

Leon, Vicki, Silver Burdett, 1994. 48p. ill.

Gr 5-up.

Rebirth of Nature

DiSilvestro, Roger L., Wiley, 1992. ill.

Several ecosystems are the subject of this exploration of conservation issues including lakes and ocean beaches. The results of conservation efforts are described. Gr 7-12.

Record Breakers of the Sea

Matthews, Rupert, Troll Assocs, 1990. 32p. ill.

Gr 2-6.

The Red Sea

Mallory, Kenneth, Franklin Watts, 1991. 48p. ill.

Gr 5-7.

Restless Oceans

Whipple, A. B., Time-Life, 1983. 176p. ill.

(OP) Gr 7-up.

The Rising Tide: Global Warming and World Sea Levels

Edgerton, Lynne T., Island Press, 1991. 136p.

Rocky Shore

Kingsbury, John M., Chatham Press, 1970. 77p. ill.

The physical characteristics of flora and fauna of the New England Coast are described in great detail. The original environment, subsequent development, and present state of the coastline are also depicted by excellent black and white sketches. Index included. Gr 7-up.

Safari Beneath the Sea

Swanson, Diane, Sierra Club Bks. for Children, 1994. ill.

An outstanding presentation with fascinating descriptions of both familiar and unusual aspects of sea life of the Northwestern Pacific. Discusses the significance of water temperature in the ecological balance. Gr 4-8.

Salmon Story

Guiberson, Brenda Z., Holt, 1993. 72p.

A clear, detailed description of the salmon's life cycle. Describes the importance of salmon to humans, their place in the ecosystem and threats to their existence. Gr 1-7.

Sand Dunes

Bannan, Jan Gumprecht, Carolrhoda Bks, 1989. ill.

Describes the formation and shaping of sand dunes. Gr 3-9.

Sand to Sea : Marine Life of Hawaii

Feeney, Stephanie and Ann Fielding, University of Hawaii Press, 1989. ill.

Photographs and text introduce the animal and plant life found on beaches, in tide pools, on reefs, and in shallow and deep ocean waters of Hawaii. Photographs by Ed Robinson.

Save Our Oceans and Coasts

Hirschi, Ron, Delacorte Press, 1993. 72p. ill.

Discusses the characteristics, animal life, and importance of oceans and coastal areas and ways to protect these habitats.

Saving Our Wetlands and Their Wildlife

Liptak, Karen, Franklin Watts, 1992. 64p. ill.

Discusses the importance of wetlands and why they should be preserved. Lists wetlands one may visit in the U.S. and organizations concerned with wetland preservation. Gr 5-8.

The Sea

Williams, Brian, Franklin Watts, 1991. 48p. ill.
(OP) Gr 5-8.

Sea Animals

Detorie, Rick, Tor Books, 1990.

The Sea Around Us

Carson Rachael, Oxford University Press, 1991. 278p.

This classic has won many accolades including the National Book Award. It describes the formation and history of the seas, currents, and relation of the seas to man. Gr 8-12.

Sea Farmers

Waters, John F., Hastings, 1970. 128p. ill.
Gr 6-9.

Sea is All About Us: A Guide to Marine Environments of Cape Ann & Other Northern New England Waters

Robbins, Sarah F., Peabody Essex Museum, 1973.

Sea Jellies

Gowell, Elizabeth Tayntor, Franklin Watts, 1993. ill.
Gr 6-12.

Sea Otters

Love, John A., Fulcrum, 1992. 148p. ill.

The habitat, behavior and history of the sea otter is presented with appealing illustrations by the author. Gr 4-8.

Sea Otters

Riedman, Marianne, Monterey Bay Aquarium, 1990. 80p. ill.

A comprehensive look at otters' life cycle, social behavior, environment, and survival. Part of the Monterey Bay Aquarium Natural History Series. Gr 5-9.

Sea Wolf

London, Jack, Bantam Bks, 1994.
Gr 7-up.

The Sea World Book of Dolphins

Leatherwood, Stephan and Randall Reeves, Harcourt Brace, 1987. ill.
Gr 3-9.

The Sea World of Sharks

Bunting, Eve, Harcourt Brace, 1984. ill.

A comprehensive introduction to sharks featuring many unusual species. Well illustrated with color photographs. Gr 3-9.

Seabird

Holling, Holling C., Houghton Mifflin, 1978. 60p. ill.

The story of an ivory carved gull created by a man on a whaling boat. The adventures of the gull, Seabird, as it passes through four generations of its creator, form the story. Scenes of the development of crafts of the sea, and finally air transportation take the reader on a journey through America's past. Gr 4-6.

Seal Journey

Sobol, Richard & Jonah, Cobblehill, 1993. 32p.

Richard Sobol and his eight year old son Jonah witness the mating and birth cycle of the harp seal at a seal colony in north-eastern Canada. Gr 5-8.

Seals and Sea Lions

Gordon, David George, Monterey Bay Aquarium, 1994. 64p. ill.

Presents the physical characteristics, life cycle and behavior of seals and sea lions. Part of the Monterey Bay Aquarium Natural History Series. Gr 5-12.

The Seas: A Celebration of Nature, in Word and Image

Lovric, Michelle, Editor, Courage Bks, 1996. 63p. ill.

A beautiful anthology of poetry about the sea wonderfully paired with paintings.

Seas and Oceans

Lambert, David and Anita McConnell., Facts on File, 1985. 64p. ill.

Gr 7-up.

Seashore

Parker, Steve, Knopf Bks Young Readers, 1989. 63p. ill.

Introduces the various animals and plants of the seashore and discusses the importance of preservation. French language edition available. Gr 5-up.

Seashore Life on Rocky Coasts

Connor, Judith, Monterey Bay Aquarium, 64p. ill.

Gr 5-12.

The Seashore & Our Lighthouse

Schaper, Sue, SSGI Pr., 1989. 24p. ill.

(OP) Gr K-8.

Seashores

Stone, L., Rourke, 1989. 48p. ill.

Gr 4-8.

Seashores: A Guide to Animals and Plants Along the Beaches

Zim, Herbert S. & Lester Ingle, Golden Press, 1955. 160p. ill.

About 460 forms of seashore life are described and illustrated in this attractive and authoritative book. A useful companion at the beach. Index lists scientific names of the plants and animals discussed. Gr 5-12.

Seawater: A Delicate Balance

Meyerson, A. Lee, Enslow, 1988. 64p. ill.

Provides an in-depth look at the chemistry of ocean water. Discusses the salinity of the sea, how balance is maintained, and the effects of pollution. (OP) Gr 6-12.

Secrets of a Seashore

Swenson, Allan, Gannett, 1981. 80p. ill.

Gr 4-10.

Shark

MacQuitty, Miranda, Knopf, 1992. 62p. ill.

Describes, in text and photographs, the physical characteristics, behavior, and life cycle of various types of sharks. Eyewitness books series.

Sharks

Coupe, Sheena, Facts on File, 1990. 72p. ill.

Gr 3-up.

Sharks and Rays of the Pacific Coast

Ferguson, Ava and Gregor Calliet, Monterey Bay Aquarium, 1990. 64p. ill.

Describes many varieties of shark living in the Monterey Bay region and provides an in-depth look at their lives in natural habitats. Part of the Monterey Bay Aquarium Natural History Series. Gr 6-9.

Sharks: The Perfect Predators

Hall, Howard, Blake, 1990. 39p. ill.

Depicts sharks in their natural environment. Gr 6-9.

Sharks: The Silent Hunters of The Deep

Readers' Digest Readers, Readers' Digest, 1987. ill.

Provides an historical overview of sharks from ancient times to present day research on shark behavior. Gr 6-12.

Shell

Arthur, Alex, Knopf Bks Young Readers, 1989. 62p. ill.

Eyewitness books series. Gr 5-up.

Shifting Shores: Rising Seas, Retreating Coastlines

Hecht, Jeff, Simon & Schuster Children's, 1990. 160p. ill.

Gr 7-up.

St. Lawrence River and Seaway

Willis, Terri, Raintree Steck-Vaughn, 1995. ill.

Describes the creation of the "fourth coastline of the U.S.", the transportation path of the Great Lakes, and U.S. and Canadian efforts to protect and restore the waters and wetlands of the Seaway.

Stanley's Aquarium

Fayville, Barry, Oxford University Press, 1990. 152p. ill.

(OP) Gr 7-up.

Tentacles: The Amazing World of Octopus, Squid and Their Relatives

Martin, James, Crown Publishers, 1993. 32p. ill.

A lively and scientific introduction to the cephalopods. Enhanced with colorful descriptions and anecdotes. Splendid photos and drawings. Glossary & index. Gr 1-7.

Threatened Oceans

Tesar, Jenny, Facts on File, 1992. 128p. ill.

Gr 7-12.

Tidepools: The Bright World of the Rocky Shoreline

Barnhart, Diana and Vicki Leon, Silver Burdett, 1994. 48p. ill.

Explores tidepool life along the Pacific Coast from southern Alaska and British Columbia to Baja California. Stunning photography. Gr 5-up.

Trouble at Marsh Harbor

Sharpe, Susan, Puffin, 1991. 170p. ill.

Ten-year-old Ben wants to be just like his father, a waterman on Chesapeake Bay, however, crabs, rock-fish and oysters are not as plentiful as they once were. Ben makes friends with a scientist who is looking for the source of an oil leak in the bay and Ben decides to help. Gr 3-7.

Tuna & Billfish: Fish Without a Country. 2nd ed..

Joseph, James et al., Inter-Am Tropical, 1980. 53p. ill.

Gr 7-12.

Two Years Before the Mast

Dana, Jr., Richard H., Lake, 1994. 64p.

Gr 7-12.

Under the Sea

Talbot, Frank K., Time-Life, 1995. 64p. ill.

A colorful presentation covering geography, marine life, ancient through modern exploration of the seas, exploitation and conservation. With glossary and index. Gr 4-8.

Under the Sea-Wind

Carson, Rachel, New American Library-Dutton, 1992. 320p.

An obvious love and understanding of the interdependence and life of the sea is conveyed in Carson's book. She selects several animals of different species to follow closely as they affect and are affected by their environment. Beautifully written. Gr 7-up.

Underwater Life

Morris, Dean, Raintree Steck-Vaughn, 1987. 48p. ill.
Gr 2-6.

The Village by the Sea

Fox, Paula, Franklin Watts, 1988. 160p. ill.
Gr 5-7.

The Voyage of the Mimi

Driggs, Lorin, Editor, Holt, 1985. ill.
The Mimi is a ship used by scientists to study humpback whales. This describes the scientists' research and offers several interesting activities. Gr 3-9.

The Voyager's Stone : the Adventures of a Message-carrying Bottle Adrift on the Ocean Sea

Kraske, Robert, Orchard Bks, 1995. ill.
Gr 4-6.

Watch Out for Sharks!

Arnold, Caroline, Houghton Mifflin, 1994. ill.
Gr 3-6.

Watching Nature: The Living Seashore

Hester, Nigel S., Franklin Watts, 1992. ill.
Seashore habitats and biology are discussed as well as human interaction with the seashore. Gr 5-8.

Water

Ocko, Stephanie, Atheneum, 1995. ill.
The complex interrelationships between air and ocean currents that affect rainfall, climate patterns and water shortages are explained along with discussion of earth's ecosystems and the effect of human activities. Gr 2-up.

The Water Planet

Watson, Lyall, Crown Publishers, 1988. ill.
Discusses the physics and chemistry of water describing its role in life science, physical science and earth science. Gr 6-12.

Water Sky

George, Jean Cgarhead, Harper, 1989.
This novel portrays the importance of whaling to the Eskimo people. Gr 6-9.

Water: The International Crisis

Clarke, Robin, MIT Press, 1993. 193p.

The Wealth of Oceans: Environment and Development on Our Ocean Planet

Weber, Michael L. and Judith Gradwohl, W.W. Norton & Co., 1995. 256p. ill.
An excellent overview of environmental conservation issues. Includes bibliographical references and index.

Whale

Papastavrou, Vassili, Knopf, 1993. 64p. ill.
Describes whales, dolphins, seals and other marine mammals--their physical and behavioral characteristics, evolution, history and relationships with humans. A Dorling Kindersley "Eyewitness" book. Also available in Spanish. Gr 5-up.

A Whale For the Killing

Mowat, Farley, Bantam Bks, 1984.
Based on true-life incidents, this book discusses the devastation of whale populations. Gr 6-12.

The Whale: Mighty Monarch of the Sea

Cousteau, Jacques-Yves, Doubleday, 1972. ill.
Cousteau provides an absorbing introduction to a wide variety of whales. Gr 6-12.

The Whale Watchers' Guide

Gardner, Robert, Silver Burdett, 1984. 170p. ill.

Gr 7-up.

Whales

Dow, Lesley, Facts on File, 1990. 68p. ill.

Describes the physical characteristics, life cycle and habitat of whales and discusses man's relationship with whales over the years. Includes a glossary and index. (OP) Gr 3-up.

Whales

Simon, Seymour, Harper, 1990. ill.

Gr 3-6.

Whales & Dolphins: An Educational Coloring Book

Ginsberg, Daniel, Rinehart, 1989. 32p. ill.

Gr 1-6.

Whales: Giants of the Deep

Patent, Dorothy Hinshaw, Holiday House, 1984. ill.

Presents a variety of whales, their physical characteristics, behavior, habitat and life cycle. Gr 3-9.

Whales in the Classroom Presents Getting to Know the Whales

Wade, Lawrence S., Singing Rock Press, 1995. 144p. ill.

Gr 4-8.

Whales in the Classroom Presents Oceanography

Wade, Lawrence S., Singing Rock Press, 1993. 133p. ill.

This book serves both as an introduction to oceanography and basic career development for interested students. Includes a separate section for teachers. Gr 4-8.

Whalesinger

Katz, Welwyn, Simon & Schuster Children's, 1991. 224p. ill.

Gr 7-up.

Wings Along the Waterway

Brown, Mary Barrett, Orchard Bks, 1992. 80p. ill.

Discusses the habitat, lifecycle, appearance and habits of twenty-one water birds and examines the risks posed to them by technological civilization. Gr 3-6.

The World of Fishes

Takeuchi, Hiroshi, Raintree Steck-Vaughn, 1986. 32p. ill.

Gr 3-7.